Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	frame with (null adj dimension)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:05
L2	1722	frame with (null)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:05
L3	1721	2 not 1	US-PGPUB; USPAT	OR	ON	2005/10/14 10:05
L4	1	3 and (frame with zero with column with row)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:09
L5	3	3 and (frame with no with column with row)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:06
L6	3	3 and (frame with "0" with column with row)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:07
L7	23	3 and ("0" with column with row)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:07
L8	20	7 not 6 not 5	US-PGPUB; USPAT	OR	ON	2005/10/14 10:10
L9	12	3 and (zero with column with row)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:09
L10	11	9 not 6 not 5	US-PGPUB; USPAT	OR	ON	2005/10/14 10:10
L11	4	10 not 8	US-PGPUB; USPAT	OR	ON	2005/10/14 10:10
L12	105	null near2 dimension	US-PGPUB; USPAT	OR	ON	2005/10/14 10:10
L13	1	frame with (null near2 dimension)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:11
L14	2	frame same (null near2 dimension)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:11
L15	809	frame near3 null	US-PGPUB; USPAT	OR	ON	2005/10/14 10:11
L18	808	15 not 13	US-PGPUB; USPAT	OR	ON	2005/10/14 10:11
L19	50	18 and (frame with row with column)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:12
L23	25	19 and (divid$4 with frame)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:13
L25	1	dynamic adj server adj page adj link	US-PGPUB; USPAT	OR	ON	2005/10/14 10:49
L27	50	dynamic adj server adj page	US-PGPUB; USPAT	OR	ON	2005/10/14 10:49
L28	1	link near3 (dynamic adj server adj page)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:49
L29	1	link with (dynamic adj server adj page)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:50

L30	1	link same (dynamic adj server adj page)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:50
L31	49	27 not 28	US-PGPUB; USPAT	OR	ON	2005/10/14 10:56
L32	10	html with ((frame or frame$set) near definition)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:56
S1	1143	(715/501.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/13 13:20
S2	3	(("5821927") or ("6266684") or ("20020042750")).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/12 14:59
S3	1	S2 and (target with frame)	US-PGPUB; USPAT	OR	ON	2005/10/12 15:00
S4	1	S2 and (reload$4 with frame)	US-PGPUB; USPAT	OR	ON	2005/10/14 10:49
S5	27215	select$4 near2 frame	US-PGPUB; USPAT	OR	ON	2005/10/12 15:03
S6	1	reload$4 near3 (select$4 near frame)	US-PGPUB; USPAT	OR	ON	2005/10/12 15:04
S7	1	reload$4 near3 (target near frame)	US-PGPUB; USPAT	OR	ON	2005/10/12 15:04
S8	247	reload$4 near3 frame	US-PGPUB; USPAT	OR	ON	2005/10/12 15:05
S9	43	S8 and S5	US-PGPUB; USPAT	OR	ON	2005/10/12 15:05
S10	42	S9 not S7	US-PGPUB; USPAT	OR	ON	2005/10/12 15:04
S11	7	(reload$4 near3 frame) with (action or trigger$4)	US-PGPUB; USPAT	OR	ON	2005/10/12 15:06
S12	3	S11 and S5	US-PGPUB; USPAT	OR	ON	2005/10/12 15:05
S13	2	S12 not S7	US-PGPUB; USPAT	OR	ON	2005/10/12 15:05
S14	4	S11 not S12	US-PGPUB; USPAT	OR	ON	2005/10/13 12:37

S18	45	(("(6266684") or ("6178433") or ("6275833") or ("6031989") or ("6313854") or ("6567918") or ("6266681") or ("6211877") or ("6211877") or ("6195097") or ("6204842") or ("6151622") or ("6493000") or ("6151599") or ("6313835") or ("6229534") or ("5973681") or ("6016494") or ("5918010") or ("5995102") or ("6021416") or ("6065057") or ("6081788") or ("6118449") or ("6144991") or ("6157926") or ("6195681") or ("6212536") or ("6226648") or ("6212536") or ("6226648") or ("6266369") or ("6389075") or ("6415278") or ("6442573") or ("6720979") or ("6907574") or ("6061699") or ("6061699") or ("6389458") or ("6904453") or ("5929849") or ("6128435") or ("6593944") or ("6711587") or ("6006242") or ("6101328") or ("6753886") or ("5983190") or ("6101510").pn.")). PN.	US-PGPUB; USPAT	OR	OFF	2005/10/13 13:15
S19	2278	(715/513).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/13 13:20
S20	372	(715/738).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/13 13:21
S21	640	(715/517).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/13 13:21
S22	543	(715/526).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/13 13:21

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1 Modeling methodology b: Simulation and verification II: event-triggered environments for verification of real-time systems

Darren D. Cofer, Murali Rangarajan

December 2003 **Proceedings of the 35th conference on Winter simulation: driving innovation**

Full text available: pdf(395.81 KB) Additional Information: full citation, abstract, references

The growing complexity and the safety-critical requirements of the embedded software in avionics systems present many challenges to current test-based verification technology. The use of formal verification methods can increase design assurance by exploring a larger range of system behaviors and fault conditions than can feasibly be covered by testing or simulation. However, one of the most challenging tasks faced in any formal verification activity is the construction of an adequate model fo ...

2 Chiron-1: a software architecture for user interface development, maintenance, and run-time support

Richard N. Taylor, Kari A. Nies, Gregory Alan Bolcer, Craig A. MacFarlane, Kenneth M. Anderson, Gregory F. Johnson

June 1995 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 2 Issue 2

Full text available: pdf(2.65 MB) Additional Information: full citation, abstract, references, citings, index terms, review

The Chiron-1 user interface system demonstrates key techniques that enable a strict separation of an application from its user interface. These techniques include separating the control-flow aspects of the application and user interface: they are concurrent and may contain many threads. Chiron also separates windowing and look-and-feel issues from dialogue and abstract presentation decisions via mechanisms employing a client-server architecture. To separate application code from user interf ...

Keywords: artists, client-server, concurrency, event-based integration, user interface architectures

3 Lightweight object-oriented shared variables for distributed applications on the Internet

Jacob Harris, Vivek Sarkar

October 1998 **ACM SIGPLAN Notices , Proceedings of the 13th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications**, Volume 33 Issue 10

Full text available: pdf(1.78 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper describes a lightweight yet powerful approach for writing distributed applications using shared variables. Our approach, called SHAREHOLDER, is inspired by the flexible and intuitive model of information access common to the World Wide Web. The distributed applications targeted by our approach all share a weak consistency model and loose transaction semantics, similar to a user's model of accessing email, bulletin boards, chat rooms, etc. on the Internet. The SHA ...

Keywords: distributed and parallel systems, language design and implementation, persistence, world wide web

4 A survey of processors with explicit multithreading



Theo Ungerer, Borut Robič, Jurij Šilc
March 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 1

Full text available: pdf(920.16 KB) Additional Information: full citation, abstract, references, citings, index terms

Hardware multithreading is becoming a generally applied technique in the next generation of microprocessors. Several multithreaded processors are announced by industry or already into production in the areas of high-performance microprocessors, media, and network processors.A multithreaded processor is able to pursue two or more threads of control in parallel within the processor pipeline. The contexts of two or more threads of control are often stored in separate on-chip register sets. Unused i ...

Keywords: Blocked multithreading, interleaved multithreading, simultaneous multithreading

5 User modeling I: What would they think?: a computational model of attitudes



Hugo Liu, Pattie Maes
January 2004 **Proceedings of the 9th international conference on Intelligent user interface**

Full text available: pdf(350.99 KB) Additional Information: full citation, abstract, references, index terms

A key to improving at any task is frequent feedback from people whose opinions we care about: our family, friends, mentors, and the experts. However, such input is not usually available from the right people at the time it is needed most, and attaining a deep understanding of someone else's perspective requires immense effort. This paper introduces a technological solution.We present a novel method for automatically modeling a person's attitudes and opinions, and a proactive interface called "Wh ...

Keywords: affective interfaces, affective memory, user modeling

6 A fragment-based approach for efficiently creating dynamic web content



Jim Challenger, Paul Dantzig, Arun Iyengar, Karen Witting
May 2005 **ACM Transactions on Internet Technology (TOIT)**, Volume 5 Issue 2

Full text available: pdf(2.33 MB) Additional Information: full citation, abstract, references, index terms

This article presents a publishing system for efficiently creating dynamic Web content. Complex Web pages are constructed from simpler fragments. Fragments may recursively embed other fragments. Relationships between Web pages and fragments are represented by object dependence graphs. We present algorithms for efficiently detecting and updating Web pages affected after one or more fragments change. We also present algorithms for

publishing sets of Web pages consistently; different algorithms are ...

Keywords: Caching, Web, Web performance, dynamic content, fragments, publishing

7 blue-c: a spatially immersive display and 3D video portal for telepresence

Markus Gross, Stephan Würmlin, Martin Naef, Edouard Lamboray, Christian Spagno, Andreas Kunz, Esther Koller-Meier, Tomas Svoboda, Luc Van Gool, Silke Lang, Kai Strehlke, Andrew Vande Moere, Oliver Staadt

July 2003 **ACM Transactions on Graphics (TOG)**, Volume 22 Issue 3

Full text available: pdf(31.68 MB) Additional Information: full citation, abstract, references, citings

We present *blue-c*, a new immersive projection and 3D video acquisition environment for virtual design and collaboration. It combines simultaneous acquisition of multiple live video streams with advanced 3D projection technology in a CAVE™-like environment, creating the impression of total immersion. The blue-c portal currently consists of three rectangular projection screens that are built from glass panels containing liquid crystal layers. These screens can be switched from a whiti ...

Keywords: 3D Video, graphics hardware, real-time graphics, spatially immersive displays, virtual environments

8 CEVA: a tool for collaborative video analysis

Andy Cockburn, Tony Dale

November 1997 **Proceedings of the international ACM SIGGROUP conference on Supporting group work: the integration challenge**

Full text available: pdf(1.23 MB) Additional Information: full citation, references, index terms

Keywords: collaborative video analysis, design, evaluation, groupware, user interfaces

9 The envoy framework: an open architecture for agents

Murugappan Palaniappan, Nicole Yankelovich, George Fitzmaurice, Anne Loomis, Bernard Haan, James Coombs, Norman Meyrowitz

July 1992 **ACM Transactions on Information Systems (TOIS)**, Volume 10 Issue 3

Full text available: pdf(2.47 MB) Additional Information: full citation, abstract, references, citings, index terms

The Envoy Framework addresses a need for computer-based assistants or agents that operate in conjunction with users' existing applications, helping them perform tedious, repetitive, or time-consuming tasks more easily and efficiently. Envoys carry out missions for users by invoking envoy-aware applications called operatives and inform users of mission results via envoy-aware applications called informers. The distributed, open architecture developed for Envoys is derived from an analysis of ...

Keywords: application programmer interface, user agent

10 Papers: managing user interaction: StyleCam: interactive stylized 3D navigation using integrated spatial & temporal controls

Nicholas Burtnyk, Azam Khan, George Fitzmaurice, Ravin Balakrishnan, Gordon Kurtenbach

October 2002 **Proceedings of the 15th annual ACM symposium on User interface software and technology**

Full text available: pdf(1.60 MB) mov(323.00 bytes) wmv(323.00 bytes) Additional Information: full citation, abstract, references, citings, index terms

This paper describes StyleCam, an approach for authoring 3D viewing experiences that incorporate stylistic elements that are not available in typical 3D viewers. A key aspect of StyleCam is that it allows the author to significantly tailor what the user sees and when they see it. The resulting viewing experience can approach the visual richness and pacing of highly authored visual content such as television commercials or feature films. At the same time, StyleCam allows for a satisfying level of ...

Keywords: 3D navigation, 3D viewers, 3D visualization, camera controls, interaction techniques

11 Evaluating accessibility: Mozilla accessibility on Unix/Linux

Louie Zhao, Jay Yan, Kyle Yuan

May 2005 **Proceedings of the 2005 International Cross-Disciplinary Workshop on Web Accessibility (W4A) W4A '05**

Full text available: pdf(954.35 KB) Additional Information: full citation, abstract, references, index terms

Web Accessibility (Ally) has been developed in recent years. Till recent days, no web browser on Unix/Linux has Ally support. This means the powerful Unix and the free Linux operating system is unusable by the disabled. People who had a computer, but could not afford $500 for Microsoft Windows, were unable to use his computer. This was the problem we were trying to address by adding Ally support into Mozilla on Unix/Linux. Mozilla was chosen because it's the most important open source cross-plat ...

Keywords: ATK, W3C, ally, keyboard navigation, mozilla

12 The KaffeOS Java runtime system

Godmar Back, Wilson C. Hsieh

July 2005 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 27 Issue 4

Full text available: pdf(704.30 KB) Additional Information: full citation, abstract, references, index terms

Single-language runtime systems, in the form of Java virtual machines, are widely deployed platforms for executing untrusted mobile code. These runtimes provide some of the features that operating systems provide: interapplication memory protection and basic system services. They do not, however, provide the ability to isolate applications from each other. Neither do they provide the ability to limit the resource consumption of applications. Consequently, the performance of current systems degra ...

Keywords: Robustness, garbage collection, isolation, language runtimes, resource management, termination, virtual machines

13 Knowledge-based document retrieval in office environments: the Kabiria system

Augusto Celentano, Maria Grazia Fugini, Silvano Pozzi

July 1995 **ACM Transactions on Information Systems (TOIS)**, Volume 13 Issue 3

Full text available: pdf(2.14 MB) Additional Information: full citation, abstract, references, citings, index terms, review

In the office environment, the retrieval of documents is performed using the concepts contained in the documents, information about the procedural context where the documents are used, and information about the regulations and laws that discipline the life

of documents within a given application domain. To fulfill the requirements of such a sophisticated retrieval, we propose a document retrieval model and system based on the representation of knowledge describing the semantic contents of d ...

Keywords: browser, class, hypertext, instance, knowledge base, link, object orientation, user interface

14 XMovie: architecture and implementation of a distributed movie system
Ralf Keller, Wolfgang Effelsberg, Bernd Lamparter
October 1995 **ACM Transactions on Information Systems (TOIS)**, Volume 13 Issue 4

Full text available: pdf(1.91 MB) Additional Information: full citation, abstract, references, index terms

We describe a system for storing, transmitting, and presenting digital movies in a computer network. The hardware used in the system is standard hardware, as found in typical workstations today; no special hardware is required, but if available it can be used to provide better performance. The XMovie system has several innovative features. First, it contains a new algorithm for the gradual adaptation of the color lookup table during the presentation of the movie to ensure optimal color qual ...

Keywords: digital video, distributed multimedia system, software motion picture, transmission protocol

15 OS and compiler considerations in the design of the IA-64 architecture
Rumi Zahir, Jonathan Ross, Dale Morris, Drew Hess
November 2000 **Proceedings of the ninth international conference on Architectural support for programming languages and operating systems**, Volume 34 , 28 Issue 5 , 5

Full text available: pdf(96.50 KB) Additional Information: full citation, abstract, references, citings, index terms

Increasing demands for processor performance have outstripped the pace of process and frequency improvements, pushing designers to find ways of increasing the amount of work that can be processed in parallel. Traditional RISC architectures use hardware approaches to obtain more instruction-level parallelism, with the compiler and the operating system (OS) having only indirect visibility into the mechanisms used.The IA-64 architecture [14] was specifically designed to enable systems which create ...

16 OS and compiler considerations in the design of the IA-64 architecture
Rumi Zahir, Jonathan Ross, Dale Morris, Drew Hess
November 2000 **ACM SIGPLAN Notices**, Volume 35 Issue 11

Full text available: pdf(1.15 MB) Additional Information: full citation, abstract, references, index terms

Increasing demands for processor performance have outstripped the pace of process and frequency improvements, pushing designers to find ways of increasing the amount of work that can be processed in parallel. Traditional RISC architectures use hardware approaches to obtain more instruction-level parallelism, with the compiler and the operating system (OS) having only indirect visibility into the mechanisms used.The IA-64 architecture [14] was specifically designed to enable systems which create ...

17 Experiences with network-based user agents for mobile applications
Thomas F. La Porta, Thomas Woo, Krishan K. Sabnani, Ramachandran Ramjee
August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2

Full text available: pdf(631.57 KB) Additional Information: full citation, abstract, references, citings, index terms

Wireless networks are characterized by simple end devices and limited bandwidth. One solution to address these and other limitations of the wireless mobile environment that has been widely pursued is the placement of proxies, or agents, inside the network to assist with application processing that would normally take place on end devices. These agents can additionally manipulate data to reduce bandwidth requirements and assist in providing services. The design and implementation of a user a ...

18 A case for user-level dynamic page migration 

Dimitrios S. Nikolopoulos, Theodore S. Papatheodorou, Constantine D. Polychronopoulos, Jesús Labarta, Eduard Ayguadé

May 2000 **Proceedings of the 14th international conference on Supercomputing**

Full text available: pdf(1.33 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper presents user-level dynamic page migration, a runtime technique which transparently enables parallel programs to tune their memory performance on distributed shared memory multiprocessors, with feedback obtained from dynamic monitoring of memory activity. Our technique exploits the iterative nature of parallel programs and information available to the program both at compile time and at runtime in order to improve the accuracy and the timeliness of page migration ...

19 Poster session 2: Context based multimodal fusion 

Norbert Pfleger

October 2004 **Proceedings of the 6th international conference on Multimodal interfaces**

Full text available: pdf(477.85 KB) Additional Information: full citation, abstract, references, index terms

We present a generic approach to multimodal fusion which we call context based multimodal integration. Key to this approach is that every multimodal input event is interpreted and enriched with respect to its local turn context. This local turn context comprises all previously recognized input events and the dialogue state that both belong to the same user turn. We show that a production rule system is an elegant way to handle this context based multimodal integr ...

Keywords: fusion, multimodal dialogue systems, multimodal integration, speech and pen input

20 Technology to enable learning I: SVG for educational simulations 

Daniel S. Bogaard, Ronald P. Vullo, Christopher D. Cascioli

October 2004 **Proceedings of the 5th conference on Information technology education**

Full text available: pdf(234.58 KB) Additional Information: full citation, abstract, references, index terms

Helping students to understand complex ideas will always be problematic for teaching professionals. Often, the students can be limited by not only their imagination, but by their experiences. When trying to explain something that is outside of the students' imagination, it is often helpful to have either simple animations or even interactive simulations that the students can explore. The creation of interactive environments and the use of animation can greatly help educators get their point a ...

Keywords: animation, instructional software, scalable vector graphics, simulations

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